236371 Project in Distributed Programming – Serverless Classifier on OpenWhisk

User Manual

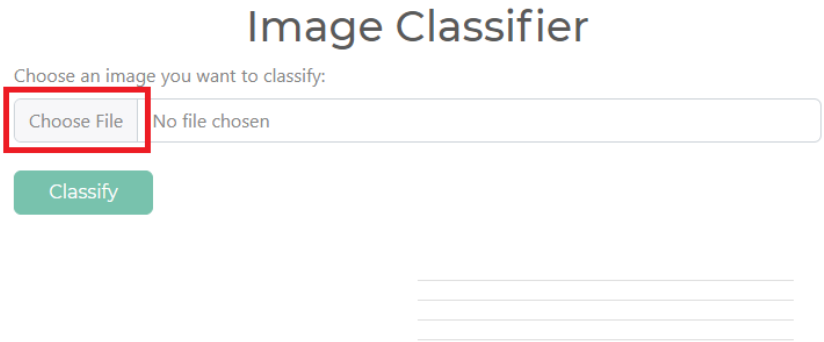
Introduction

In this project we implemented a serverless image classifier using OpenWhisk. The classifier is accessible through a custom website where the user can upload an image that they want to be classified. The website encodes the image and sends it to the serverless classifier. Once the image is classified, the result is returned to the user's page and displayed there.

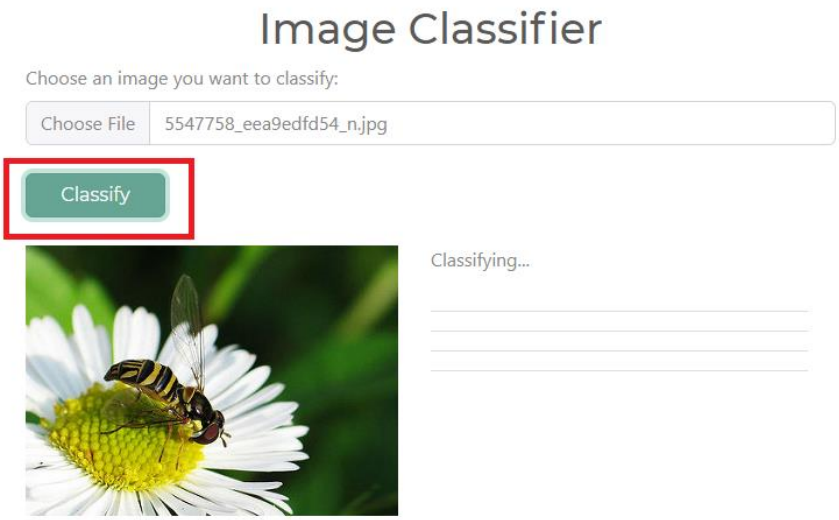
Usage Example

To use the serverless classifier, follow the following steps:

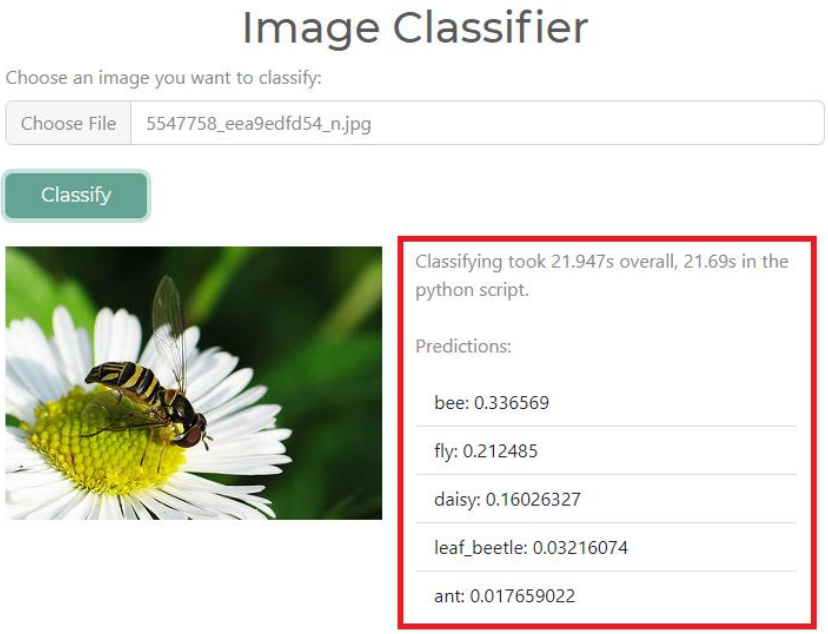
1. Go to http://classify.amitaifrey.com
2. Choose the image that you want classified in the specified input:



3. Click "Classify" and wait for the results:



4. Observe the results!



5. You can upload and classify an image again, by performing steps 2-4 as before.

Current Limitations

- You can currently upload only a JPEG image
- The classifier returns only the top 5 results
- It may take the classifier 20-40s to complete the operation